

*(GAS/ARIC)*  
GASPARIC, J.

Convention of analytic chemists in Gottwaldov.

P. 85 (Chemicky Prumysl. Vol. 7, no. 2, Feb. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EMAI) IC. Vol. 7, no. 2,  
February 1958

GASPARIC, J.

7  
6

Thermal rearrangement of aromatic hydrazo compounds.  
M. Vodrážka, J. Gasparic, and J. Petříček (Research Inst. of Organic Compounds, Prague, Czechoslovakia). Chem. & Ind. (London) 1957, 200; cf. Krolik and Lukashevich, C.A. 51, 5774a.—Hydrazo compds., including hydrazobenzene (I), 4-methylhydrazobenzene (II), o-hydrazotoluene (III), and 1,4-hydrazonaphthalene (IV) were heated to 150° in an N atom. with and without solvents until chromatography [cf. C.A. 49, 3354d] indicated complete reaction. 4 days for II and IV, 20 days for I and III. I, II, and III gave chiefly the o- and p-semidine derivs. and IV gave an approx. equal mixt. of the benzdizine, diphenylene, o-benzidine, and o- and p-semidine derivs. No products obtained by intermolecular recombination of radicals were found. Results will be published in more detail elsewhere. H. D. W.

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GASPARIC JIRI

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Organic  
Substances.

E-3

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24904

Author : XIII. Vecera Miroslav, Friedrich Kurt  
XIV. Gasparic Jiri, Vecera Miroslav

Inst : -  
Title : Identification of Organic Substances. XIII. Use of Ion-  
Exchangers in Organic Analysis. XIV. Separation and  
Identification of Aliphatic Aldehydes and Ketones by  
Means of Paper Chromatography.

Orig Pub : Chem. listy, 1957, 51, No 2, 283-286, 291; Sb. chahosil.  
khim. rabot, 1957, 22, No 5, 1421-1425, 1426-1431

Abstract : XIII. Formation of a solution of an acid on interaction  
of the solution of the corresponding salt with a cathio-  
nite ( $K_m$ ) is used for determination of equivalence and  
molecular weight of organic acids and bases. First a  
difficultly soluble salt of the substance under study is

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Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24904

the form of solutions of their 2,4-dinitrophenyl hydrazones (DPH) in benzene, chloroform, alcohol or I. The chromatograms are developed with cyclohexane (II) saturated with I. After volatilization of II the chromatogram is sprayed with a 1% solution of NaOH in alcohol; DPH become apparent as brown, red or blue spots. It is possible to identify 1-5 micrograms DPH.  $R_f$  increases with the number of C-atoms in the n-chain; A and K with straight and branched chains have same  $R_f$  with equal n. The presence of double bonds and OH-groups lowers  $R_f$ . Part XII see RZhKhim. 1958, 14240.

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3003. Identification of organic compounds. XIV.  
Separation and identification of aliphatic aldehydes  
and ketones by paper chromatography. <sup>7</sup> J. Černý  
and M. Veteřa (Kem. Inst. Org. Synth., Brno-  
Rybňany, Czechoslovakia). *Chem. Listy*, 1957, 51(2), 387-391.

—A rapid method for the separation  
and identification of aldehydes and ketones as their  
2:4-dinitrophenylhydrazones, with the system  
dimethylformamide - cyclohexane, is described. The  
relation between  $R_f$  values and the structure of  
the investigated compounds is discussed. The  
possibility of the separation of the *cis* and *trans*  
isomers of the 2:4-dinitrophenylhydrazones of  
furfuraldehyde is demonstrated. As little as 3 to  
60 µg of 2:4-dinitrophenylhydrazones could be  
separated, and for the detection of the separated  
spots, a 1% ethanolic soln. of NaOH was used.

J. ČERNÝ

PM  
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Also found in: Collection of Czechoslovak Chemical Communications, Vol. 22, No. 5, p. 1426,  
Oct. 1957, Praha, Czechoslovakia.

*Jiri Gasparic* (Gasparic) /  
CZECHOSLOVAKIA / Analytical Chemistry. Analysis of  
Organic Substances.

E-3

Abs Jour : Ref Zhur - Khim., No 10, 1958, No 32220

Author : Jiri Gasparic, Miroslav Vecera, Miroslav Jurecek

Inst : =

Title : Identification of Organic Substances. XVI. Identifica-  
tion of Sulfides.

Orig Pub : Chem. listy, 1957, 51, No 4, 660-666; Collect. czechosl.  
chem. commun., 1958, 23, No 1, 97-104.

Abstract : Continuing the similar study of dialkylsulfides (DAS)  
containing the alkyls C<sub>1</sub>-C<sub>4</sub> with straight chains, bromides,  
picrates and perchlorates of dialkyl-n-bromophenacylsulfo-  
nia (I) from 17 DAS-s were obtained; they contain one or  
two C<sub>3</sub>-C<sub>4</sub> alkyls with forked chains (with the exception  
of tertiary butyl); their melting points, by which it is  
recommended to identify the corresponding DAS-s, were de-

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Abs Jour : Ref Zhur - Khim., No 10, 1958, No 32220

termined (melting points of perchlorates - from 69 to 170°, those of picrates - from 80 to 150°). It is produced by the interaction of the DAS with n-bromophenacyl bromide, which takes from 20 min. to 8 hours time; a DAS with forked chains reacts more slowly than a DAS with straight chains. The picrates and perchlorates of higher DAS homologues are produced from bromides without separating the latter from the reaction mixture. It is recommended for a more complete identification of the DAS-s to use the x-ray pictures of powdered I perchlorates and the eutectic temperatures of their mixtures with some standard preparations. The melting points of bromides, perchlorates and picrates of I, as well as x-ray picture characteristics and eutectic temperatures of I perchlorates obtained from the above mentioned DAS-s are presented. See report XV in RZhKhim, 1958, 32229.

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\* CZECHOSLOVAKIA/Organic Chemistry Theoretical and General  
Questions on Organic Chemistry.

G-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43212.

Author : Vecera Miroslav, Petranek Jaromir, Gasparic Jiri.

Inst :

Title : Rearrangement of Substituted Aromatic Hydrazo-  
Compounds.

Orig Pub: Chem. listy, 1957, 51, No 5, 911-919; Sb. chekhosl.  
khim. rabot, 1957, 22, No 5, 1603-1612.

Abstract: A study of the rearrangement of hydrazo-benzene  
(I), 2- and 4-methyl-hydrazo-benzene (II, III), 2,2'-and  
4,4'-dimethyl-hydrazobenzene (IV, V), 4-acetamido-  
hydrazo-benzene (VI), N-acetyl-hydrazobenzene (VII)  
and 1,1'-hydrazo-naphthalene (VIII), by action of a  
solution of HCl in alcohol, or of dry HCl in absence

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Questions on Organic Chemistry.

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Abs Jour: Ref Zhur-Khim., No 13, 1958, 43212.

of a solvent, at about 20°. The rearrangement products (RP) were isolated by paper chromatography, purified by crystallization and also by chromatography on silica gel impregnated with dimethyl formamide, and were identified by color reactions and fluorescence reactions. Among the RP were found benzidine (IX), diphenylene (X), o-benzidine (XI), o-semidine (XII), p-semidine (XIII), the corresponding azo-compounds (Ia-VIIIa), aniline (XIV). Listing the initial substance and isolated RP:  
I, IX-XIV, Ia; II, IX-XIII, IIa; III, X-XIII, IIIa;  
IV, IX-XIII, IVa; V, XI, XII, XIV, Va; VI, XII-  
XIV, VIa; VII, IX, X; VIII, IX-XIV, VIIIa. Velocity of competing reactions, and proportions of

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CZECHOSLOVAKIA/Analytic Chemistry - Analysis of Organic  
Substances.

E-3

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46452

Author : XVII - Miroslav Vecera, Jiri Borecky. XVIII - Miroslav Vecera, Jaromir Petranek, Jiri Gasparic. XIX - Miroslav Vecera, Jiri Gasparic, Antonin Spevak.

Inst : -

Title : Identification of Organic Substances. XVII. Identification of Anthraquinone Sulfoacids. XVIII. Chromatography of Aromatic Hydrazo Compounds. XIX. Microidentification of Lower Aliphatic Alcohols and O-Alkyl and N-Alkyl Groups by Paper Chromatography.

Orig Pub : Chem. listy, 1957, 51, No 5, 974-976; No 8, 1553-1554; 1554-1556; reports VII, VIII, Collect. czechosl. chem. commun., 1958, 23, No 1, 130-133; No 2, 333-335.

Abstract : XVII. The benzylthiuronic (I) and 1-naphthylmethylthiuronic (II) salts of mono- and disulfo acids of

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APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46452

anthraquinone are suitable for the identification of the latter. The ultraviolet spectra of these salts are close, but their melting points and eutectic temperatures in mixtures with dicyanamide are different. The salts are precipitated by mixing aqueous solutions of reagents and in the majority of cases, they are recrystallized from 30 to 80%-ual  $C_2H_5OH$ , and some from  $CH_3OH + (CH_3)_2CO$ . Melting points measured under microscope or in a capillary and the eutectic temperatures of mixtures with dicyanamide (about 1 : 1) of I and II of all isomer anthraquinone sulfoacids are presented. I is more suitable for the identification than II, because it melts more distinctly.

XVIII. The aromatic hydrazo compounds (III) are separated chromatographically and identified on Watman paper No 4 treated with 25%-ual dimethylformamide solution in

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in alcohol (IV) or 10%-ual solution of formamide in al-  
cohol (V) and dried. From 0.5 to 200  $\gamma$  of the sample  
in 0.1 to 1% -ual alcohol or ether solution is put on  
the paper. It is developed by the descending method at  
 $21 \pm 1^\circ$  with cyclohexane or benzene. The dried chroma-  
togram is sprayed with 1% -ual solution of n-dimethylami-  
nobenzaldehyde (VI) in 95 parts of alcohol and 5 parts  
of concentrated HCl. At this occasions the III-s re-  
group into corresponding diamines, which together with  
VI yield products of characteristic color and fluores-  
cence presented in the report. The values of  $R_f$  & of  
III-s are also presented. This method permits to chro-  
matograph several hundreds of  $\gamma$  of the substance and  
to identify 0.5  $\gamma$  of a III.; it can be used for the  
control of the benzidine regroupation at industrial sca-  
le. For that purpose, 10 ml of the reaction solution is

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. CZECHOSLOVAKIA/Analytic Chemistry - Analysis of Organic Substances.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46452

alkalized with 5 ml of 50%-ual KOH solution and shaken with 5 ml of C<sub>6</sub>H<sub>6</sub>. From 10 to 30 ml of the extract is put on the paper soaked in V, it is developed in a test tube with cyclohexane by the ascending method and treated with VI solution. The chromatographic method is recommended also for the purification of III: 60 g of silica gel (VII) is saturated with 24 ml of IV, suspended in petroleum ether (VIII) and a column 25 mm in diameter is prepared. 2 g of the substance is dissolved in 1 ml of IV, VII is added and the mixture is transferred on the column, which is developed first with 200 ml of VIII and with the mixture VIII - C<sub>6</sub>H<sub>6</sub> (4 : 1) after that. XIX. The lower alkyl groups (C<sub>1</sub> - C<sub>3</sub>) are idenfified in the shape of corresponding alkyl-3,5-dinitrobenzocates (IX). In order to convert alcohols (X) into IX-s, 0.1 ml of pyridine (XI) and 1 ml of C<sub>6</sub>H<sub>6</sub> are added to 10 ml

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Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46452

of aqueous solution of 5 to 50 mg of X, after which 11 g of  $K_2CO_3$  and the solution of 0.5 g of 3,5-dinitrobenzoyl chloride (XII) in 2 ml of  $C_6H_6$  are added to it at cooling. After having shaken it 3 minutes, IX is extracted with ether, the extract is washed with 1%-ual  $H_2SO_4$  and water, and ether is distilled off. In the case of water-free X, 5 to 50 mg of X are dissolved in 5 ml of  $C_6H_6$ , 50 mg of XII and 0.3 ml of XI are added, all is boiled 1 hour, the benzene solution is cooled, washed with 20%-ual NaOH solution, with water, with 5%-ual  $H_2SO_4$ , and again with water, and benzene is distilled off. In order to split the alkyl groups off the alkoxy compounds and alkylamines and to obtain IX-s, 1 to 2 (2 to 5 correspondingly) mg of the substance is boiled 1 hour with HI solution in  $N_2$  flow; the alkyl iodides are absorbed while forming by the suspension of 3 to 4 mg of Ag-3,5-dinitrobenzoate

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Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46452

in 1 ml of ether put in an ampoule cooled with ice, the ampoule is sealed and put in a boiling water bath for 2 hours, the ether solution is washed with 1%-ual NaOH solution, 1%-ual HCl and water, and ether is distilled off. 15 to 60 ' of IX (solution in benzene) is chromatographed on paper soaked with dimethylformamide using cyclohexane (RZhKhim, 1958, 24904). The chromatogram is sprayed with 1%-ual  $\alpha$ -naphthylamine solution in alcohol (brown-red spots), or the fluorescence in ultraviolet light is observed. The chromatographic separations takes only 20 min. The method permits to identify little amounts of the substance in the presence of a great excess of another substance (for example,  $CH_3OH$  in  $C_2H_5OH$ ). The chromatographic separation of thiuronic salts (RZhKhim, 1955, 46234) is more suitable for the identification of alkyls with more than 3 carbon atoms. See report XVI in RZhKhim, 1958, 32220.

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GASPARIC, J.; VECERA, M.; JURECEK, M.

SCIENCE

Periodical COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNIK CHEKHOVSKYKH KHIMICHESKIKH RABOT. Vol. 23, no. 1, Jan. 1958.

GASPARIC, J.; VECERA, M.; JURECEK, M. Identification of organic compounds. XVI. Identification of sulfides. In German. p. 97.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Organic  
Substances.

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Abs Jour: Ref Zhur-Khim., No 23, 1958, 77363.

Author : Vecera M., Gasparic J., Spevak A.

Inst :

Title : Identification of Organic Substances. XIX. Microidenti-  
fication of Aromatic Aliphatic Alcohols, C-Alkyl  
and N-Alkyl Groups with Paper Chromatography.

Orig Pub: Collect. czechosl. chem. commun., 1958, 23, No 4, 768-770.

Abstract: See RZhKhim., 1958, 46452.

Card : 1/1

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Identification of organic compounds. XXI. <sup>1</sup> choice  
of solvent systems for paper-chromatographic separation of  
organic compounds. J. Gasparic and M. Vedepta (For-  
schungsinst. organische Synthesen, Pardubice-Rybítví,  
Czech.). *Mikrochim. Acta* 1958, 68-91; cf. *C.A.* 52,  
13544b.—Practical examples are given to show how org. compds.  
can be sepd. by means of paper chromatography. One is not limited to "tested" solvent systems, but can use  
new suitable systems as the occasion demands. It has been  
found best to abide by the rules of solv. of org. compds.,  
provided the compd. to be chromatographed is quite sol.  
in the stationary phase but less sol. in the mobile phase.  
By altering the stationary phase (water, nonaq., polar sol-  
vent, nonpolar solvent) or the polarity and compn. of the  
mobile phase, the migration of the stains in the chromato-  
gram can be influenced, selected  $R_f$  values can be obtained,  
and in many cases it is also possible to secure a desired suc-  
cession of the compds. on the chromatogram. Since the  
solv. of org. compds. depends on intermol. forces, the prob-  
lem in connection with structural influences appears very  
complicated and must be solved individually for each case.  
Moreover, the solv. characteristics can be affected by using  
reactive solvents; for instance the compds. can be con-  
verted into water-sol. salts. Complications may arise be-  
cause of the dissociation and hydrolysis of ionizable compds.  
The following are among the chief factors, which may make a  
sepn. possible: functional groups, their number, polarity,  
relative position, their basicity or acidity, C-atom no. in  
homologous compds., inter- and intramol. H bonds, steric  
factors, etc. It then depends on the type of solvent system  
selected, which of these factors are predominant and which  
can be neglected or eliminated. If the solv. differences are  
too slight to permit good sepn., the compds. to be sepd.  
should, if possible, be converted into derivs. whose struc-  
tural differences are more pronounced. H. W. Harvey

Jag  
2 May

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

COUNTRY	:	Czechoslovakia	L-3
CATEGORY	:		
ASS. JOUR.	:	RZKhim., No. 1959,	No. 282
AUTHOR	:	Vecera, M.; Gasparic, J.; Jurecek, M.	
LIST.	:		
TYPE	:	Identification of Organic Compounds. XX. Addition Products of Mercury (I+) Chloride and Alkylibenzylsulfides.	
ORIG. PUB.	:	Collect. Czechosl. Chem. Comms., 1959, 24, No 2, 440-642	
ABSTRACT	:	See RZKhim, 1959, No 2, 4393	

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CIA-RDP86-00513R000514410011-4"

CZECHOSLOVAKI/analytical Chemistry. Analysis of Organic  
Substances.

E-3

Abs Jour : Ref Zhur - Khimiya, No 2, 1959, No 4393

Authors : Vccera, M.; Gasparic, J.; Jurecek, M.

Inst : Not given

Title : The Identification of Organic Compounds. XX. Addition Pro-  
ducts of Hg(II) With Alkylbenzylsulfides.

Orig Pub : Chem Listy, 52, No 1, 144-146(1958)

Abstract : The addition products (AP) of  $HgCl_2$  with methyl, ethyl, n-propyl, iso-propyl, and n-butylbenzylsulfide and with dibenzylmethyphenyl and n-propylphenylsulfide have been prepared by a previously described method (rZhKhim, 1957, 15900) and their properties and constitution have been determined. The properties of the AP of the alkylbenzylsulfides are similar to the properties of the aliphatic sulfide derivatives described in an earlier report. On crystallization from alcohol the Hg

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Abs Jour : Ref Zhur - Khimiya, No 2, 1959, No 4393

content is decreased; such a decrease, however, is not observed when the recrystallization is carried out in C<sub>6</sub>H<sub>6</sub>. The AP of diphenyl, methylphenyl, and n-propylphenylsulfide are prepared in aqueous medium by shaking a solution of HgCl<sub>2</sub> with the respective sulfide. The last-named AP are unstable; e. g., the AP with methylphenylsulfide loses nearly all the sulfide on standing in air for 20 days, whereas the AP obtained with n-butylbenzylsulfide shows no change under the same conditions. The sulfide/HgCl<sub>2</sub> mole ratio in all the AP investigated is 1 : 1 or 1 : 2. Equilibrium according to the reaction R<sub>1</sub>-S-R<sub>2</sub> plus HgCl<sub>2</sub> ⇌ R<sub>1</sub>(R<sub>2</sub>)S·HgCl<sub>2</sub> is established very rapidly and, for the aliphatic-aromatic sulfides, is shifted considerably to the left. For Communication XIV see RZhKhim, 1958, 46452.

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Gasperic Jiri.

CHECING MIKU/Analytical Chemistry. Analysis of Organic Substances.

Abs Jour: Ref Zhur-Khim., No 9, 1959, 31102.

Author : Vecera, Miroslav, Gasperic, Jiri.

Inst :

Title : Identification of Organic Substances. XXIII.  
Paper Chromatographic Study of Aliphatic Amines.

Orig Pub: Chem. listy, 1958, 52, No 4, 611-617.

Abstract: This study deals with aliphatic amine (.) breakdown on paper. Optimum conditions for the separation were selected. The commonly used neutral and acid mixtures of the solutions are not suitable. In neutral systems the  $R_f$  value and the shape of the blots depends on the anion of the salt of (.) and on the degree of hydrolysis of the

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CZECHOSLOVAKIA / Analytical Chemistry. Analysis of Organic Substances.

Abs Jour: Ref Zhur-Khim., No 9, 1959, 31102.

salt. The effect of anions is also evident in acid systems. Satisfactory results are obtained by using a n-C<sub>4</sub>H<sub>9</sub>OH - saturated KCl solution neutral mixture, and paper saturated with KCl. At the same time all salts of (A) are transformed into hydrochlorides and the shifting of A does not depend on the anion of the original salt. The first 4 homologs of A were separated. The primary (A) (PA) are opened at 100° by means of 0.2% solution of ninhydrin in alcohol, acidified with CH<sub>3</sub>COOH and the spots are fixed by sprinkling with 1% solution of Cu(NO<sub>3</sub>)<sub>2</sub> in 90% alcohol acidified with dilute HNO<sub>3</sub>. The secondary (A) (SA) are opened by means of the solution of Na nitroprusside, of acetaldehyde and of Na<sub>2</sub>CO<sub>3</sub>, and the

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Obs Jour: Ref Zhur-Khim., No 9, 1959, 31102.

is opened in an unfiltered light from a Hg-lamp (violet, in ultra-violet light, dark spots with red fluorescence). The minimum for opening is 2  $\mu$ . For report XXII, see Ref Zhur-Khimiya, 1959, 27154. -- K. Kamen.

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CZECHOSLOVAKIA / Analytical Chemistry. Analysis of E-3  
Organic Substances.

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27154.

Author : Gasparic, J. and Matrka, M.

Inst : Not given.

Title : The Identification of Organic Substances. XXII.  
Paper Chromatography of N-Alkylated Benzidines.

Orig Pub: Chem Listy, 52, No 4, 749-750 (1958) (in Czech).

Abstract: The authors report the separation and identification of sixteen alkylated derivatives of benzidine (D) by chromatography on paper impregnated with 25% alcoholic solution of dimethylformamide (I), 10% alcoholic formamide (II), 10% kerosene (III) solution in cyclohexane (IV), or 10%  $\alpha$ -bromonaphthalene (V) in chloroform and dried for 15 min in air. The chromatograms were developed with the following

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Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27154.

Abstract: mixtures: I-IV, II-IV, III-80%  $\text{CH}_3\text{OH}$ , and V-2%  $\text{CH}_3\text{COOH}$ ; the latter mixture is effective for tetraalkylated B. The B is deposited on the paper in the form of 0.5-1% solutions in benzene. The chromatograms are developed by the descending method and the B are detected by spraying with a mixture of 0.1 N  $\text{C}(\text{SO}_4)_2$  in 4 N  $\text{H}_2\text{SO}_4$  and water (1 : 3); the  $\text{Ce}^{(4+)}$  oxidizes the B to the corresponding quinone diimines which are characteristically colored. Unsubstituted benzidine gives a yellow-greenish color which with increasing alkyl substitution changes to orange. The spots on the chromatogram appear immediately after spraying and do not fade for several hours. The minimum detectable quantity of B is 1-2. In systems with fixed polar phases the  $R_f$

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ČZECHOSLOVAKIA / Analytical Chemistry. Analysis of E-3  
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Aba Jour: Ref Zhur-Khimiya, No 8, 1959, 27154.

Abstract: values increase with increasing alkyl substitution;  
when the inverted phase method is used, the  $R_f$  val-  
ues decrease with increasing number of alkyl sub-  
stituents. For Communication XXI see RZhKhim,  
1958, 57228. -- K. Kamen

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5  
2 May  
LB

Distr: 4E3d/4E2c(j)

Identification of organic compounds. XXVII. Use of Friedel-Crafts acylation for the identification of alkyl aryl sulfides? JHL Gasparic, Miroslav Veleba, and Miroslav Jureček (Výzkumný ústav org. syntézy, Pardubice-Krystov, Czech.). *Chem. listy* 52, 1720-3 (1958); *if. C.A.* 53, 988e.— Alkyl aryl sulfides are first acylated with AcCl and AlCl<sub>3</sub>, and the resulting derivs. of PhAc are transformed to 2,4-dinitrophenylhydrazones, oximes, or are oxidized to sulfoxes. Me sulfides were prep'd. by methylation of thiophenols with Me<sub>2</sub>SO<sub>4</sub>, and the higher alkyl aryl sulfides are made as follows: 7 g. Na was dissolved in 150 ml. EtOH, 34.5 ml. o-MeC<sub>6</sub>H<sub>4</sub>SH added with stirring and then 40 g. Me<sub>2</sub>CHBr, the mixt. refluxed 2 hrs. on the steam bath, the solvent distd., the residue dissolved, washed with 5% aq. NaOH, dried with Na<sub>2</sub>SO<sub>4</sub>, and distd. to yield 39 g. product. To prep. the ketones, to 0.8 g. AlCl<sub>3</sub> in 5 ml. CHCl<sub>3</sub> was added dropwise 0.5 g. AcCl and, with cooling, 0.5 ml. of the sulfide in 5 ml. CHCl<sub>3</sub>, the mixt. allowed to stand 1 hr. at room temp., poured over ice and 5 ml. HCl, the org. layer

washed with 5% HCl and 5% NaHCO<sub>3</sub>, filtered, the solvent evapd. and the residue treated with the appropriate reagent [2,4-(O<sub>2</sub>N)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>NHNH<sub>2</sub> in H<sub>2</sub>SO<sub>4</sub> and EtOH, or NH<sub>2</sub>-OH in NaOH or C<sub>6</sub>H<sub>5</sub>N (8-10 hrs.)], or oxidized 1 hr. with 5 ml. 30% H<sub>2</sub>O<sub>2</sub> in 5 ml. AcOH on the steam bath and dild. with 50 ml. H<sub>2</sub>O. *Alkyl aryl sulfides* [b.p./mm., m.p. of the 2,4-dinitrophenylhydrazone (EtOH, AcOH or AcOEt), of the oximes (cyclohexane), and of sulfoxes (H<sub>2</sub>O), given]: Me, Ph, 53.5°/1.5, 236.5-7.5°, 121°, 128-9°; Et, Ph, 50.3°/2.0, 103°, 93°, 115.5-16.5°; Pr, Ph, 69.1°/2.0, 158.5-60.5°, 73-5.5°, 80.5-7.5°; iso-Pr, Ph, 61°/3.1°, 173-4°, 73.5°, 58.5-9.5°; Me, o-MeC<sub>6</sub>H<sub>4</sub> (I), 55.6°/1.5, 209.5°, 80°, —; Et, I, 61.8°/1.6, 189°, 91°, —; Pr, I, 68.2°/1.1, 171-2°, 91°, —; iso-Pr, I, 61.4°/1.2, 162°, —; Me, p-MeC<sub>6</sub>H<sub>4</sub> (II), 61.5°/2.2, 213-15°, 108°, —; Et, II, 62.1°/2, 101-3°, 83°, —; Pr, II, 65.6°/0.8, 101-2°, 89°, —; iso-Pr, II, 65.2°/1.4, 150-60°, 91.5°, —. Powder x-ray diagrams were also used for the characterization.

M. Hudká

GASPARIC, J.

M. Jurecek's Organicka analysa. II (Organic Analysis. Vol. 2); a book review. p. 38

CHENICKA PRUMYSLI. (Ministeratvo chemickeho prumyslu) Praha, Czechoslovakia  
Vol. 9, No. 1, Jan. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959  
Uncl.

CZECHOSLOVAKIA / Analytical Chemistry. Organic Analysis. E

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 82040

Author : Vecera, M.; Gasparic, J.

Inst : Not given

Title : Identification of Organic Substances. XXIII.  
The Paper Chromatographic Study of Aliphatic  
Amines

Orig Pub : Collect. Czechosl. Chem. Commun., 1959, 24,  
No 2, 465-473

Abstract : See RZ Khim, No 9, 1959, No. 31102

Card 1/1

✓ Identification of organic compounds. XXIX. Paper chromatography of di- and triphenylmethane dyes.<sup>15</sup> J. Gasparic and M. Matrka (Výzkum. ústav org. syntet. paragonického Rybitví). Collection Czechoslov. Chem. Commun. 24, 1943-9 (1959) (in German); cf. C.A. 53, 7078c.—Di- and triphenylmethane dyes and related compds., 4,4'-methylenebis(N,N-dimethylaniline), Michler's hydrol, Michler's ketone, bis[4,4'-bis(dimethylamino)benshydryl] ether, 4,4'-bis(diethylamino)benshydryl, 4-dimethylamino-4'-diethylaminotriphenylcarbinol, Auramine O, Auramine G; Doebecker's Violet and its leuco base, Malachite Green (base, chloride, perchlorate, oxalate, leuco base), Brilliant Green, Setoglaucon O (I), Turkey Blue Extra B (II), methyl violet (III), parafuchsin and its leuco base, Crystal Violet and its leuco base, methylene green, fuchsin, neofuchsin, Victoria Blue B, Aniline Blue B, and Night Blue were paper chromatographed on Whatman No. 3, impregnated with a 2, 5, and 10% soln. of dodecyl alc. in EtOH. As the developing agents EtOH-aq. NH<sub>3</sub> (1:1) and EtOH-aq. NH<sub>3</sub>-H<sub>2</sub>O (2:1) systems were used. In that media the dyes travel in the form of colorless compds. of a neutral character with no affinity to celluloses; various salts of the same dye thus show the same *R*<sub>f</sub> value (as demonstrated in the case of the malachite green, its chloride, perchlorate and oxalate). I, II, and III are not individual compds. and thus form several spots. Some triphenylmethane dyes (Doebecker's Violet, parafuchsin, malachite green, crystal violet) were sepd. from their residual leuco bases by paper chromatography on Whatman No. 4, impregnated (cf. C.A. 50, 3054d) with HCONH<sub>2</sub> (development with C<sub>6</sub>H<sub>6</sub>): the dyes remain at the origin whereas the leuco bases and other starting raw materials travel in the front of the mobile phase. This makes the procedure suitable for detg. the residual leuco bases in the oxidation mixtures.

GASPARIC, J.; NOVOTNA, M.; JURECEK, M.

Identification of organic compounds. XXXVIII. Identification of primary aromatic amines after the conversion in aryl azo- - naphthalenes. Coll Cz Chem 25 no.11:2757-2764 N '60. (EEAI 10:6)

1. Forschungsinstitut fur organische Synthesen, Pardubice-Rybitvi,  
Institut fur analytische Chemie, Technische Hochschule fur Chemie,  
Pardubice (for Gasparic and Jurecek). 2. Derzeitige Adresse:  
Vychodoceske Chemicke zavody, Synthesia, Pardubice-Semtin  
(Organic compounds) (Aromatic compounds)  
(Amines) (Aryl groups) (Azo compounds)  
(Naphthol)

GASPARIC, J.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: [not given]  
Research Institute of Organic Synthesis (Forschungs-  
institut fuer organische Synthesen), Pardubice-Rybitvi

Affiliation: Source: Prague, Collection of Czechoslovak Chemical Communications,  
Vol 26, No 11, November 1961, pp 2950-2953

Data: "Identification of Organic Compounds. XLII.  
Paper Chromatography of Ethanolamine."

Authors:

GASPARIC, J

BORECKY, J

OBRUBA, K

HANZLIK, J

Also: Vol 26, No 11, pp 2954-2956, Authors: GASPARIC, J and HANZLIK, J (only):  
"Identification of Organic Compounds. XLIII. Paper Chromatography  
of Quaternary Alkylpyridinium and Ammonium Salts."

GASPARIC, J.; BERANOVA, O.

Quantitative paper chromatographic analysis of alkylated phenols.  
Coll Cz Chem 26 no.12:3173-3177 D '61.

1. Forschungsinstitut fur organische Synthesen, Pardubice-Rybitvi.

GASPARIC, Jiri; MATRKA, Miroslav

Paper chromatography of nigrosines. Chem prum 13 no.1:22-23 Ja  
'63.

1. Vyzkumny ustav organickych syntez, Pardubice - Rybitvi.

GASPARIC, J.; GEMZOVA-TABORSKA, I.

Paperchromatographic identification of dispersion dyes. Coll Cz  
Chem 27 no.12:2996-3052 D '62.

1. Forschungsinstitut fur organische Synthesen, Pardubice -  
Rybitvi.

KLOUCEK, B.; GASPARIC, J.; OBRUBA, K.

Determination of hydroxyl groups by acetic anhydride  
acetylation in the presence of perchloric acid as  
catalyzer. Coll Cz Chem 28 no.6:1606-1609 Je '63.

1. Forschungsinstitut fur organische Synthesen, Pardubice-  
Rybitvi.

GASPARIC, J.; MARHAN, J.

Reaction of amino derivatives of anthraguinones with hydrobromic acid. Coll Cz Chem 28 no. 12:3452-3454 D '63.

1. Forschungsinstitut fur organische Synthesen, Pardubice-Rybitvi.

GASPARIC, J.

Nitration of phenols with nitrous acid. Coll Cz Chem 29 no. 6;  
1374-1379 Je '64.

1. Research Institute of Organic Syntheses, Pardubice-Rybitvi.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

GARBER, J.

Identification of organic compounds. Pt. 36. Cell No chem 29 no.7:  
3723-1727 dt 102.

• Forschungsinstitut für organische Synthesen, Karlsruhe  
Rbbitri.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

CZECHOSLOVAKIA

GASPARIC, J; KLOUCEK, B.

Research Institute for Organic Synthesis (Porschungsinstitut  
fur organische Synthesen), Pardubice-Rybitvi-(for both)

Prague, Collection of Czechoslovak Chemical Communications, No 1,  
January 1966, pp 106-112

"Identification of organic compounds. Part 58: On the constitutional  
determination of arylide aromatic carboxylic acids."

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

DVORAK, Jaroslav; MUSIL, Rudolf; SEKANINA, Josef; ZUREK, Vladimir;  
TRACHTULEC, Jan; VODA, Oldrich; CHLUPAC, Ivo; HOMOLA, Vladimir;  
PESEK, Jiri; ZAK, Lubor; GASPARIK, Jan

Activities of the branches of the Czechoslovak Society for  
Mineralogy and Geology in Brno, Most, Olomouc, Ostrava, Praha  
and Zilina. Cas min geol 7 no.3:385-392 '62.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

GASPARIK, Stefan, inz.

By development of services to a higher standard of life of  
the population. Tech praca 15 no. 12: 941-945 D '63.

1. Vedouci Ustrednej spravy pre rozvoj miestneho  
hospodarstva, Praha.

L 11395-65 Pa-4/Pb-4 AMD/AFTC(b)

ACCESSION NR: AP4049748

Z/0049/64/000/007/0499/0503

AUTHOR: Lacok, P. (Lachok, P.); Gasparikova, O. (Gashparikova, O.)

TITLE: Changes in the content of free sugars in the leaves of barley (B)

SOURCE: Biologia, no. 7, 1964, 499-503

TOPIC TAGS: agronomy, botany, plant physiology, agriculture, barley, ecology  
bionomics

Abstract: Amount of free sugars in barley during ontogenesis was studied. The content of free sugar is a function of the functional character of the leaf. The content of sucrose is very characteristic, it increases with the development of the leaf, reaches a maximum value, and decreases again according to the activity of the individual leaf. 1 Figure, 3 Tables.

ASSOCIATION: Botanicky ustav Slovenskej akademie vied, Oddelenie fyziologie rastlin v Bratislave (Botanical Institute, Slovak Academy of Sciences, Department of Plant Physiology)

Card 1/2

L 11195-65  
ACCESSION NR: AP4049748

SUBMITTED: 07Mar84 ENCL: 00 SUB CODE: LS  
NO REF SOV: 000 OTHER: 009 JPRS

Card 2/2

GASPARIN C.

Accelerated differential thermal analysis. Cyril Gasparin, Ivo Pišek, and Vladimír Šík (Tech. Univ., Bratislava, Czech.). Silikaty 3, No. 1, 64-73 (1959).—Equipment described earlier (C.A. 52, 11478e, 12674g) is used to register DTA curves from magnesite, limestone, dolomite, gypsum, and siderite. An increase in the rate of heating increases the temp. difference between standard and sample. The temp. intervals between the peaks on the DTA curve also increase. Therefore, it is possible (at this accelerated DTA) to use samples  $\leq 0.03$  g. This is advantageous since the amt. of gaseous products produced by the heterogeneous, reversible reactions which occur is so small that it cannot affect further phases of the decompr. or other reactions which occur at higher temp. The temp. interval between the peaks also increases with the fineness of the samples. If the correct conditions are chosen, the curves of the accelerated DTA will coincide more or less with the ordinary DTA curves. Werner Jacobson

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1/1

6  
J E J J  
15

J J

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

GASPARIN, P.

"News from Elektroproject in Sarajevo; Conditions of Operation and Investments Costs of the Velox Boiler of the Jugoturbina." p. 327, (ELEKTROPRIVREDA, Vol. 7, no. 5, Nov./Dec. 1954. Beograd, Yugoslavia.)

SO: Monthly List of East European Accessions, (EEAL), LC,  
Vol. 4, No. 5, May 1955, Uncl.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

GASPARIN, P.

The heating equipment of the Lukavac soda plant. p. 156.  
(Elektroprivreda, Vol. 10, no. 3, Mar. 1957. Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

GASPARIN, P.

News from Energoinvest in Sarajevo. p. 487.

ELEKTROPRIVREDA. (Zajedica jugoslovenske elektroprivrede) Beograd,  
Yugoslavia. Vol. 12, no. 10, Oct. 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960.

Uncl.

YUGOSLAVIA/Chemical Technology - Chemical Products and Their  
Applications - Treatment of Solid Fuels.

H.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37476

Author : Gasparini, A., Samec, M., Skledar, S.

Inst :  

Title : Ash Content Determination of Sulfur-Rich Coals and Cokes

Orig Pub : Razpr. Slov. Akad. znan in umetn. Razr. mat., Fiz. in  
tehn. vede, 1953, 5, No 4, 55-72

Abstract : A method for ash content determination of "Rasha"  
(Yugoslavia) coals containing up to 10% of S has been  
worked out. It has been established that ash content  
should be determined in an electric muffle furnace at  
750°C. The weighted portion should be placed in a hol-  
low dish and introduced into a cold muffle furnace, in  
order to avoid excessively rapid blowing up of the coal,  
and left exposed to air in the initial stage of heating.  
Heating time was 3 hours at 750°C.

Card 1/1

8

GASPAROV, Artun, potpukovnik, dr.

Diaphragmatic hernia of the stomach and gastroesophageal reflux.  
Med. pregl. 7 no.2:89-99 1954.

1. Odelenje za gastro-enterologiju bolnice Tenon - Pariz, sef:  
dr. Hillemand.  
(HERNIA, DIAPHRAGMATIC  
\*stomach, with gastroesophageal reflux)  
(ESOPHAGUS, dis.  
\*gastroesophageal reflux, with diaphragmatic hernia of  
stomach)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

GASPAROV, Antun, dr.

Clinical application of the liver function tests. Med. pregl., Novi Sad 7 no.5:381-393 1954.

1. Bolnica Beaujon - Pariz, odeljenje profesora dr. Rene Fuvert-a.  
(LIVER FUNCTION TESTS  
clin. use)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

GASPAROV, Antun; IVIC, Milenko

Protein fractions in the serum and exudate in exudative pleurisy.  
Srp arhiv lekar 82 no.2:181-189 F '54. (KEAL 3:7)

1. Interno odeljenje Vojne bolnice u Novom Sadu, nečelnik dr.  
Antun Gasparov Klinicka laboratorija Vojne bolnice u Novom Sadu,  
nečelnik dr. Strahinja Marinkov. (Rad je Urednistvo primilo 2-X-  
1953 god.)

(BLOOD PROTEINS, in various dis.

\*pleurisy, exudative)

(EXUDATES AND TRANSUDATES

\*protein fractions in exudative pleurisy)

(PLEURISY

\*exudative, protein fractions in blood & exudate)

GASPAROV, Antun, Potpukovnik dr.

Early diagnosis of the cancer of stomach. Voj. san. pregl.,  
Beogr. 12 no.7-8:419-427 July-Aug 55.

1. Odjeljenje za gastroenterologiju bolnice Tenon-Paris.  
(STOMACH, neoplasms  
diag., early, ther. value (Ser))

GASPAROV, A., Ppuk., dr.; AVRAMOV, N., Major dr.

Clinical and radiological aspects of ascariasis. Voj. san.  
pregl., Beogr. 12 no.11-12:594-599 Nov-Dec 55.

1. Inferna klinika VMA i Radioloski institut VMA.  
(ASCARIASIS,  
clin. & x-ray aspects. (Ser))

GASPAROV, Antun, Potpukovnik dr.

General complications following gastric resection and surgical contraindications. Voj. san. pregl., Beogr. 13 no.1-2:48-57  
Jan-Feb 56.

1. Interna klinika VMA.  
(STOMACH, surgery,  
postop. compl. & contraindic. (Ser))

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

GASPAROV, Antun, Potpukovnik dr.; LEPES, Tibor, major dr.;  
AVRAMOV, Nabojsa, potpukovnik dr.

Clinical and x-ray diagnosis of teniasis. Voj. san. pregl.  
Beogr. 13 no.11-12:551-556 Nov-Dec 56.

1. Oblasna bolnica Beograd i Parazitolosko odeljenje VMA.  
(TAPEWORM, diag.  
(Ser))

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

GASPAROV, Anton; DUUKIC, Nedeljko; KANESIC, Franjo

Value of various liver function tests in diagnosis of anatomic injuries  
of liver parenchyma in cholecystitis & cholelithiasis.  
Med. glasn. 11 no.3:88-90 Mar 57.

1. Oblasna vojna bolnica u Beogradu. Vojna bolnica u Petrovaradinu.  
(CHOLELITHIASIS, pathol.  
inj. to parenchyma of liver, diag. with liver funct.  
tests (Ser))  
(CHOLECYTITIS, pathol.  
same)  
(LIVER FUNCTION TESTS, in var. dis.  
diag. of parenchymal damages of liver in cholecystitis  
& cholelithiasis (Ser))

GASPAROV, Antun, Potpukovnik dr.

Carcinoma of duodenojejunal fold. Voj. san. pregl., Beogr.  
14 no.1-2:7-17 Jan-Feb 57.

1. Interna klinika VMA.  
(DUODENUM, neoplasms  
duodenojejunal fold (Ser))  
(JEJUNUM, neoplasms  
same)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

ANTONOVIC, Milan sanitetski potpukovnik, d-r; JOVANOVIC, J. sanitetski potpukovnik  
d-r; GASPAROV, Anton, sanitetski pukovnik d-r

Results of the treatment of sero-fibrinous tuberculous pleurisy  
during 1957-1958. Voj. san. pregl., Beogr. 17 no.3:236-246 Mr'60.

1. Oblasna vojan bolnica u Beogradu, Interno odeljenje.  
(TUBERCULOSIS PULMONARY ther.)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

GASPAROV, Anton, sanitetski pukovnik doc. d-r; BRANKOVAN, Konstantin,  
sanitetski potpukovnik doc. d-r; FILIPOVIC-RISTIC, Brana, d-r

Histological changes in the liver tissue in intestinal amebiasis.  
Voj.san.pregl.Beogr. 17 no.6:645-649 Je '60.

1. Oblasna vojna bolnica u Beogradu, Interno odeljenje. Vojno-  
medicinska akademija u Beogradu, Patoloski institut.  
(DYSENTERY AMEBIC pathol)  
(LIVER pathol)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

GASPAROV, Anton, sanitetski pukovnik doc. d-r; PETKOVIC, Darinka, d-r;  
FILIPOVIC-RISTIC, Brana, d-r; ELAKOVIC, M., sanitetski kapetan d-r

Histological changes of the gastric mucose in young men. Voj.san.  
pregl., Beogr. 17 no.7/8:771-774 Jl-Ag '60.

1. Armiska poliklinika u Beogradu, Interno odeljenje  
(STOMACH anat & histol)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

GASPAROV, Anton, sanitetski pukownik doc. d-r; AVRAMOV, Nebojsa, sanitetski potpukownik d-r; FILIPOVIC-RISTIC, Brana, d-r

Functional roentgenological signs of the colon in patients with intestinal amebiasis and chronic colitis. Voj.san.pregl., Beogr. 17 no.9:901-904 S '60.

1. Vojna bolnica u Beogradu, Interno odjeljenje, Rendgenolosko odjeljenje  
(DYSENTERY AMEBIC radiogr)  
(COLITIS radiogr)

GASPAROV, Antum, sanitetski pukownik, doc., dr.; PETKOVIC, Darinka, dr.; FILIPOVIC-RISTIC, Brana, dr.; PETROVIC, Milentije, san. kapetan, dr.

Aspiration biopsy of the mucous membrane of the large intestine.  
(Technic and histological results in 1,336 patients). Voj.san.pregl.  
18 no.3:269-272 Mr '61.

1. Armijkska bolnica u Beogradu, Interno odeljenje.

(COLON pathol) (BIOPSY)

GASPAROV, Antun, sanitetski pukovnik, doc., dr.; SMIRCIC, Petar, sanitetski potpukovnik, dr.; FILIPOVIC, Brana, dr.; PETROVIC, Milentije, sanitetski kapetan, dr.; ELAKOVIC, Mihajlo, sanitetski kapetan I kl., dr.

Control of asymptomatic chronic gastritis with the aid of aspiration biopsy. (8 month control of 101 normal soldiers). Vojnosanit. pregl. 18 no.10:851-855 O '61.

1. Armijска болница у Београду, Interno odeljenje.

(GASTRITIS pathol) (BIOPSY)

GASPAROV, A., dr., doc., puk; SMIRCIC, P., dr.; FILIPOVIC, B., dr.;  
PETROVIC, M., dr.

Role of systematic rectoscopy and biopsy of the colonic mucosa  
in diseases of the digestive tract. (Result of 2,250 examina-  
tions). Med. glas. 16 no.6/a:255-258 Je '62.

1. Interno odeljenje Armijiske bolnice u Beogradu (Nacelnik:  
puk. doc. dr. A. Gasparov).  
(GASTROENTEROLOGY) (COLON) (PROCTOSCOPY)  
(BIOPSY)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

CASPAROV, A.; SMIRCIC, P.; FILIPOVIC, B.; PETROVIC, B.; ELAKOVIC, M.

Histological changes in the gastric mucosa in gastroduodenal ulcer  
and in normal young subjects. Vojnosanit. pregl. 19 no.2:101-104  
F '62.

1. Armijска војна болница у Београду, интерно одељење.  
(GASTRITIS) (DUODENAL ULCER) (STOMACH ULCER)  
(BIOPSY)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

GASPAROV, Antun, sanitetski pukovnik doc. dr; SMIRCIC, Petar, sanitetski potpukovnik dr; FILIPOVIC, Brana, vojni sluzbenik dr; PETROVIC, M., sanitetski kapetan dr; ELAKOVIC, M., sanitetski major dr

Roentgenological and histological comparisons in chronic gastritis in recruits. Vojnosanit. pregl. 19 no.11:769-773 N '62.

1. Armijkska Bolnica u Beogradu, Interno odeljenje.  
(GASTRITIS)

GAŠPAROV, Anton

Yugoslavia

Docent Dr

Ward of Internal Disease of the Army Hospital —  
Beograd (Interno odeljenje Armijске bolnice —  
Beograd), Belgrade; Head: Anton GAŠPAROV, Doc Dr.

Belgrade, Medicinski Pregled, No 8, 1962, pp 451-455.

"Morphological Changes in the Mucosa of Small Intestines  
in Taeniasis."

Co-authors:

SMIRČIĆ, P Dr of Medicine, Ward of Internal Disease of  
the Army Hospital — Beograd (Interno odeljenje Armijiske  
bolnice — Beograd),  
FILIPOVIĆ, B Dr of Medicine, Ward of Internal Disease of  
the Army Hospital — Beograd.

SMIRCIC, P., dr.; GASPAROV, A., puk. doc. dr.; FILIPOVIC, B., dr.

Hiatus hernia as a cause of sideropenic anemia. Med. glas. 16  
no.6/6a:261-267 Je '62. (MIRA 16:7)

1. Interno odeljenje Armijiske bolnice u Beogradu (Nacelnik: puk.  
doc. dr. A. Gasparov).  
(ANEMIA HYPOCHROMIC)  
(DIAPHRAGMATIC HERNIA)

GASPAROV, Antun, sanitetski pukovnik, doc., dr.

Management of chronic gastritis among soldiers. Vojnosanit.  
pregl. 19 no.1:49-52 Ja '62.

1. Armijска болница у Београду, Interno odeljenje.  
(GASTRITIS ther) (MILITARY PERSONNEL dis)

GASPAROV, Antun, sanitetski pukovnik, doc., dr.; SMIRCIC, Petar,  
sanitetski potpukovnik, dr.; LEPES, Tibor, sanitetski  
potpukovnik, doc., dr.

Treatment of taeniasis with tin. Vojnosanit. pregl. 19 no.3:  
198-201 Mr '62.

1. Armijkska bolnica u Beogradu, Interno deljenje.  
(TIN) (TAPEWORM INFECTIONS)  
(ANTHELMINTICS)

S

GASPAROV, Antun, sanitetski pukovnik, doc., dr.; SMIRCIC, Petar,  
sanitetski potpukovnik, dr.; FILIPOVIC, Brana, dr.;  
PETROVIC, Milentije, sanitetski kapetan, dr.; ELAKOVIC, Mihajlo,  
sanitetski major, dr.

Results of the histological examination of the mucous membrane  
of the colon in normal young subjects. Vojnosanit. pregl. 19  
no.4:255-258 Ap '62.

1. Armijkska bolnica u Beogradu, Interno odjeljenje.  
(COLON) (MUCOUS MEMBRANE)

S

GASPAROV, Anton, sanitetski pukovnik, doc.dr.; SMIRCIC, Petar, sanitetski potpukovnik, dr.; FILIPOVIC, Brana, vojni sluzbenik, dr.; ELAKOVIC, Mihajlo, sanitetski major, dr.

Treatment of taeniasis with yomesan. Vojnosanit. pregl. 20 no.9:  
590-593 S '63.

S

GASPAROV, Anton, dr.; FILIPOVIC, Brana, dr.; SMIRCIC, Petar, dr.;  
ELAKOVIC, Mihajlo, dr.

Early diagnosis of restosigmoid carcinoma. Ljeecn. vjesn. 85  
no.12:1353-1359 D'63

1. Iz Internog odjela Armijске bolnice u Beogradu.

\*

SHIRCIC, P., dr. med. sci.; GASPAROV, A., doc. puk. dr.

Role and frequency of digestive diseases in the pathological picture of Yugoslavia. Med. glas. 13 no. 6:152-161. Beograd '64.

1. Interno odjeljenje Armijiske bolnice u Beogradu (Nacelnik: doc. puk. dr. A. Gasparov).

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

GASPAROV, A., prof. dr. (Beograd)

Etiology of hemorrhages of the digestive tract. Med. glas.  
19 no.2/3:37-43 F-Mr '65.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

ANTONOVIC, Milan; GASPAROV, Anton; MILOVANOVIC, Mirko

Cold abscess of the abdominal wall. Srpski arh. celok. lek.  
93 no.1:75-78 Ja '65.

1. Vojni institut za tuberkulozu u Beogradu (Nacelnik: puk. prof.  
dr. Mirko Tucakovic) i Interno odjeljenje Armijске bolnice u Beogradu  
(Nacelnik: puk. doc. dr. Anton Gasparov).

GASPAROV, M.L. (Moscow)

Statistical study of the Russian dolnik trimeter. Teor. veroiat. i ee  
prim. 8 no.1:102-108 '63. (MIRA 16:3)  
(Probabilities) (Mathematical statistics)  
(Russian language—Versification)

ACC NR: AP6028185

(A)

SOURCE CODE: UR/C:16/66/000/006/0076/0079

AUTHOR: Gasparov, N. (Reserve Lieutenant colonel, Technical Corps)

ORG: None

TITLE: Use of conveyors for moving material over natural obstacles

SOURCE: Tyl i snabzheniye sovetskikh vooruzhennykh sil, no. 6, 1966, 76-79

TOPIC TAGS: conveyor transportation system, armed force logistics, conveyor / KTsZh conveyor

ABSTRACT: The use of conveyors for moving military materials across rivers, ravines and gullies is discussed on the basis of a training experience with the KTsZh conveyor. The conveyor was used first as a floating device for crossing a 30-m wide river and then as an overhead trackage for crossing a deep ravine of the same width. Empty fuel barrels and powder containers were used as floating supports for conveyor trusses as it is shown in a diagram and a photo. The construction of a river crossing is described including reconnaissance missions, preparation of rafts, their setting afloat and fixing, launching of conveyor trusses and their operation. A 20-kw power plant was used for supplying electric current to conveyor motors. About 2000 tons of materials can be conveyed in 10 hours. The same truss elements were used for assembling a conveying line suspended from overhead steel cables above a ravine. The arrangement of the overhead line and the design of roller hangers are shown in diagrams. The use of winches for stretching cables across the ravine and attaching hangers and trusses to the cables and their operation are described. Orig. art. has 3 diagrams and 1 photo.

SUB CODE: 15/ SUEM DATE: None  
Card 1/1

L 58893-65 EED-2/EWA(h)/ENT(1) Pm-4/Peb ICH  
ACCESSION NR: AP5019006

UR/0286/65/000/012/0031/0031  
621.316.727

22  
21  
B

AUTHOR: Bunakov, V. L.; Zav'yalov, M. P.; Moin, V. S.; Gasparov, R. G.

TITLE: A phase shifter. Class 21, No. 171904

SOURCE: Byulleten' izobreteniij i tovarnykh znakov, no. 12, 1965, 31

TOPIC TAGS: phase shifter, controlled rectifier

ABSTRACT: This Author's Certificate introduces a phase shifter with controlled rectifiers and saturation chokes with control windings. The device is designed for improved reliability and a wide range of displacement angles between the pulses at the input and output of the unit. The phase shifter contains a circuit which consists of a charging diode, two saturation chokes and a discharge diode all connected in series. This circuit is connected to a dc source. A capacitor and pulse output transformer are connected in series between one pole of the power supply and the connection point of the two chokes.

Card 1/3

L 58893-65

ACCESSION NR: AP 5019006

ASSOCIATION: Organizatsiya gosudarstvennogo komiteta po aviationsionnoy tekhnike  
SSSR (Organization of the State Committee for Aviation Technology SSSR)

SUBMITTED: 06Dec62

ENCL: 01

SUB CODE: EC

NO REF SOV: 000

OTHER: 000

Card 2/3

L 58893-65

ACCESSION NR: AP5019006

ENCLOSURE: 01

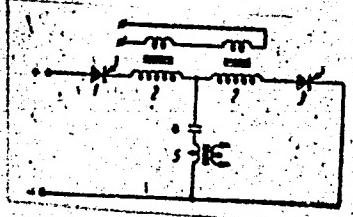


Fig. 1. 1--charging diode;  
2--saturation choke;  
3--discharge diode;  
4--capacitor;  
5--pulse transformer

Card 3/3

L 8168-66 EPF(n)-2/EEC(k)-2/EWT(1)/EWA(h) AT/WW

ACC NR: AP5025685

SOURCE CODE: UR/0286/65/000/018/0036/0036

AUTHORS: Uan-Zo-Li, B. L.; Gasparov, R. G.; Zav'yalov, M. P.; Nezhdanov, I. V.

ORG: none

TITLE: Self-excited pulse generator<sup>15</sup> Class 21, No. 174662 [announced by State  
Committee for Radio Electronics SSSR (Organizatsiya gosudarstvennogo komiteta po  
radioelektronike SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 36

TOPIC TAGS: pulse generator, pulse rate

ABSTRACT: This Author Certificate presents a self-excited pulse generator made as a relaxation oscillator with a storage capacitor, a time-setting circuit, and a controllable gate. To increase the output power and to broaden the frequency range of the generator, an additional charge-discharge circuit containing a capacitor, a saturation choke, and the primary of the load transformer is connected in parallel with the generator power supply (see Fig. 1). A decoupling diode is connected between the two circuits. Another diode, whose connection polarity is opposite the connection polarity of the decoupling diode, is connected between the cathode of the

Card 1/2

UDC: 621.373.431.3

L 8168-66

ACC NR: AP5025685

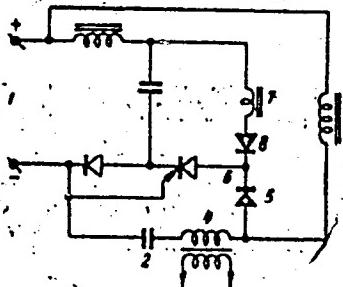


Fig. 1. 1- power supply; 2- capacitor;  
3- saturation choke; 4- primary of  
load transformer; 5- decoupling diode;  
6- cathode of decoupling diode;  
7- oscillator choke; 8- opposing  
diode

decoupling diode and the choke of the oscillator. Orig. art. has: 1 diagram.

SUB CODE: EC/

SUBM DATE: 06Jun63

jw  
Card 2/2

KUPLYAYEV, I.M. (Leningrad, B. Pushkarskaya ul. d. 30., kv.27); IVLIYEV, N.N. (Gor'kiy, ul. Radistov, d.6, kv.6); CHUMOV, Ya.G. (Gor'kiy, ul. Radistov, d. 6, kv.6); PISAREV, A.L. (Moskva, Lyubertsy, 4. pos. Vsesoyuznogo nauchno-issledovatel'skogo ugol'nogo instituta, d.5, kv.5); GASPAROV, R.G. (Moskva, I-51, 2-y Kolobovskiy pereulok d.9/2 kv.18); POPOV, B.I. (Irkutsk, 13, Depovskiy pereulok, d.83, kv.2); PIONTKOVSKIY, B.A. (Moskva, Ye-77, Sredne-Pervomayskaya ul. d.13, kv.4); VEDENEYEV, G.M. (Moskva, I-110, B. Spasskaya, d. 15/17, kv.29); KRUCHIK, V.G. (Uzhgorod, Zakarpatskaya obl., ul. Kosmodem'yanskoy, d.4, kv.69); SIDORENKO, A.P. (Leningrad, ul. Frunze, d.15, kv.38); SPIRIDONOV, A.V. (Leningrad, ul. Frunze, d.15, kv.38); SEREDA, P.A. (Moskva); IL'IN, V.F.; PEL'TSMAN, L.N.; DANILEVICH, A.I. (Khar'kov, Plekhanovskiy pereulok, d.9a, kv.2); KHMENKO, L.T. (Khar'kov, Plekhanovskiy pereulok, d.92, kv.2); LYKOV, M.V. (Moskva, Leninskiy prospekt, d.55); RYBAL'CHENKO, G.F. (Moskva, Leninskiy prospekt, d.55); BOYKO, V.F. (Leningrad, M-142, ul. Tipanova, d.3, kv.130); KITAYEV, G.I. (Chelyabinsk, Smolenskaya ul. d.4); SKLYAROV, A.Ye. (Novocherkassk, Rostov-skoy obl. pos. Oktyabr'skiy, Gvardeyskaya ul. d.30, kv.29)

Discoveries and inventions. Prom. energ. 19 no.11:57-58 N '64.

(MIRA 18:1)

1. Zavod "Amurkabel'", Khabarovsk (for Il'in, Pel'tzman').

GASPAROV, T.S.

Improve the organization of the supply of materials and equipment. Stroi. truboprov. 7 no.8:6 Ag '62. (MIRA 15:9)  
(Pipelines) (Construction industry)

GASPAROVA, A. B.

May/Jun 49

USSR/Medicine - Mosquitoes Bird Nests

"Bird Nests as Breeding Grounds for Mosquitoes (*Phlebotomus*)," P. A. Petrishcheva, V. V. Subar', A. T. Voylocknikov, I. M. Grokhovskaya, K. m. Sokolva, O. Ya. Khodova, A. B. Gasparova, Div of Parasitol and Med Zool, Inst of Epidemiol and Microbiol, Acad Med Sci USSR

Zool Zhur, No 3

Investigated 113 nests of nine species of birds and found only eight contained evidence of mosquitoes. In these eight nests found only eight larva, 25 pupa, and 136 pupa cases, indicating that nests are not one of more frequently used breeding places. Dir, Div of Parasitol and Med Zool: Acad Ye. N. Pavlovskiy. Dir, inst of Epidemiol and Microbiol: Prof. V. D. Timakov.

PA 151T55

GORCHAKOV, V.A., kand.med. nauk; KUPRIYANOV, S.N.; GASPAROVA,D.N.

Foreign bodies of the larynx, trachea, and bronchi according  
to materials of the clinic of the Turkmenistan Medical Insti-  
tute for the last tehn years. Zhur. ush., nos. i gorl. bol. 23  
no.5:67 S-0'63 (MIRA 17:3)

1. Iz kafedry otorinolaringologicheskikh zabolеваний (zav. -  
dotsent B.Kh. Ibragimov) Turkmenetskogo meditsinskogo instituta.

BARDOSOVA, G.; GASPAROVA, K.

Incidence of abacterial meningitis in 1954 in Eastern Slovakia,  
caused by viruses of coxsackie group. Cas. Lék. česk. 95 no.12:  
313-317 23 Mar 56.

1. Z detskej kliniky LFUK, Kosice, predn. doc. MUDr P.Demant  
R. Polonyi, z KHES, Kosice, prednosti MUDr I. Kratochvil.  
(MENINGITIS, virus  
coxackie viruses)  
(COXACKIE VIRUSES, infect.  
meningitis)

TARABCÁK, M.; KRATOCHVIL, I.; GASPÁROVÁ, K.

Importance of atypical Corynebacteria in etiology of upper respiratory infection. Česk. pediat. 12 no.3:241-246 Mar 57.

1. KHES Košice, riaditeľ MUDr. I. Kratochvíl Detska klinika LFUK  
Košice, prednosta doc. MUDr. F. Demant.  
(RESPIRATORY TRACT, infect.

upper tract, etiol. role of atypical Corynebacteria (Cx))  
(CORYNEBACTERIUM, infect.

upper resp. tract, role of atypical Corynebacteria (Cx))

GASPAROVA, K.; BARDOS, L.; TARABCAK, M.

Pulmonary typhoid in a 2-year-old infant. Cesk.pediat. 14 no.12:  
1088-1092 D '59.

1. Detske klinika, prednosta doc. MUDr. F. Demant. Chirurgicka  
klinika LFUK v Kosiciach, prednosta prof. MUDr. J. Knazovicky.  
KHES v Kosiciach, riaditel MUDr. I. Kratochvil.  
(TYPHOID in inf.& child.)  
(LUNG DISEASES etiol.)

BARDOSOVA, G.; DEMANT,F.; GASPAROVA, K.; VIRGALA, J.

Neurological complications of morbilli. Cesk.pediat. 15 no.9:  
812-817 S '60.

1. Katedra starostlivosti o dieta LFUK v Kosiciach, veduci prof.  
MUDr. F.Demant  
(MEASLES compl.)  
(NEUROLOGIC MANIFESTATIONS in infancy & childhood)

BÁRDOŠOVÁ, G; GAŠPAROVÁ, K.

Czechoslovakia

Children's Clinic of the Medical Faculty of  
P.J. Šafárika University -- Košice (Detski  
Klinika Lekárskej fakulty Univerzity P. J.  
Šafárika -- Košice); Head: F. DEMANT, Prof. MD.  
- (for all)

Bratislava

Prague, Lekársky Obzor, No 12, 1962, pp 701-706

"Diphtheric Polyneuritis."

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

CAP, J.; GASPAROVA, K.; NOVAK, A.; RICHTEROVA, G.

On infectious mononucleosis in children. Bratisl. Lek. Listy 42  
no.3:167-172 15 Ag '64.

1. Katedra pediatrie II Lek. fak. Univ. Komenskeho v Bratislave  
(vedouca prof. MUDr. J. Michalickova).

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

VOHONOV, N.A., doktor tekhn. nauk; GIMBERG, L.N., inzh.; YANOV, I.Ya.,  
inzh.; GASPAROVA, S.N., inzh.; KONSTANTINOVSKY, V.M., inzh.

Cylpeba form low-carbon cast iron and conditions for its use.  
Tsement 30 no. 5:15-17 S-0 '64. (MIRA 17:12)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

GASPAROVIC, I. (Sarajevo); PRZIC, R. (Sarajevo); STERN, P. (Sarajevo)

Influence of histamine on the allergic encephalomyelitis of rats.  
Bul sc Youg 6 no.3:69-70 S '61.

1. Farmakoloski institut Medicinskog fakulteta [Univerziteta] Sarajevo.

(Histamine) (Encephalomyelitis) (Rats)

STERN, P.; GASPAROVIC, I.; PRZIC, R.

Effect of substances P (SP) on the sensory transmission. Bul  
sc Youg 7 no.6:170 D '62.

1. Institut za farmakologiju Medicinskog fakulteta, Sarajevo.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

BOŠNKOVIĆ, B.; GASPAROVIC, I.; STERN, F.

Effect of beta-diethylaminocethyl-diphenylpropyl acetate hydrochloride  
(SKF-525A) on the germination and growth of wheat. Radovi Nauc dr  
BIH 19:61-65 '62.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

GASPAROVIC, Ladislav, inz.

Performance of the highway freight transportation plan in 1962  
and preparation of the 1963 plan. Doprava no.11:391-392 '62.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4

CASE NOVIC 1970-1971

For seven years of the Czechoslovak State Highway Transportation,  
License no. 81363-368-162.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514410011-4"

NEBOJŠA

ZUR FRAGE DER ANWENDUNG DES GETRIEBES BEI GASTURBINEN. Nebolja Gasparović,  
Forschung Gebiete Ing., Ausg. A, No. 6, 1956, pp.  
192-196. In German. Calculation, based on simplifying assumptions, of the turbine speed at which a combination of a turbine with a tooth gear reaches the minimum weight. A comparison of the total weight obtained with the weight of the turbine designed without gear shows the cases in which the turbine is to be provided with a gear or rather designed without gear for the given speed of power delivery.

Proof

RKA

gg